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% SEQUENCE SIMILARITY TO HUMAN OP-1 SEVEN-CYSTEINE DOMAIN

SEQUENCE	% SIMILARITY	% NON CONSERVATIVE
hOP-1	100	0
mOP-1	100	0
hOP-2	97	3
mOP-2	97	3
BMP-5	97	3
BMP-6	96	4
Vgr-1(PT)	94	6
OP-3	91	9
60A	90	10
BMP-4	90	10
BMP-2	89	11
dpp	87	13
UNIVIN	87	13
dpp(PT)	86	14
Vg-1	86	14
CDMP-1	85	15
CDMP-3	83	17
GDF-3	83	17
CDMP-2	82	18
DORSALIN	79	21
CDF-1(PT)	78	22
GDF-10	78	22
BMP-3b	78	22
BMP-10	78	23
BMP-3	78	23
SCREW	77	23
ADMP	77	24
TGF- β 2	73	27
GDF-1	73	28
BMP-9	73	28
NODAL	71	29
Inhibin β A	71	29
BMP-15	71	29
TGF- β 3	69	31
Inhibin β B	69	31
Inhibin β C	69	31
TGF- β 5	67	33
TGF- β 1	67	33
GDF-12	67	33
GDF-11	66	34
TGF- β 4	66	34
GDF-9	66	34
GDF-8	64	36
BMP-11	60	40
GDNF	49	51

Fig. 1

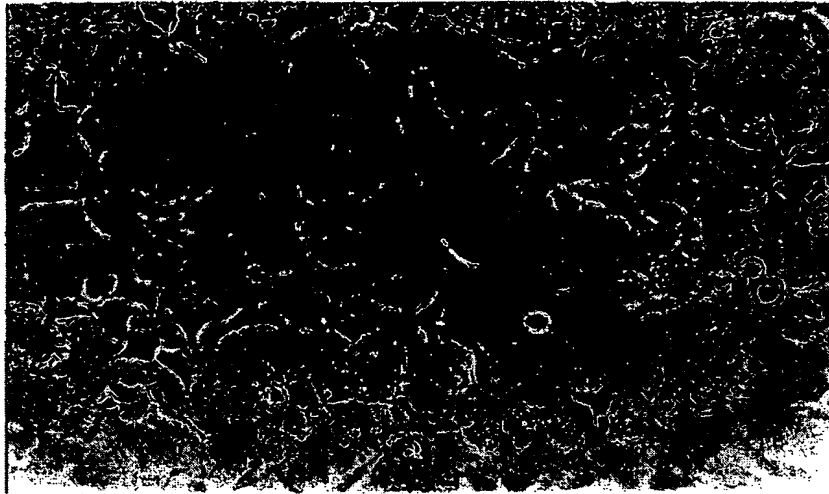


Fig. 2A

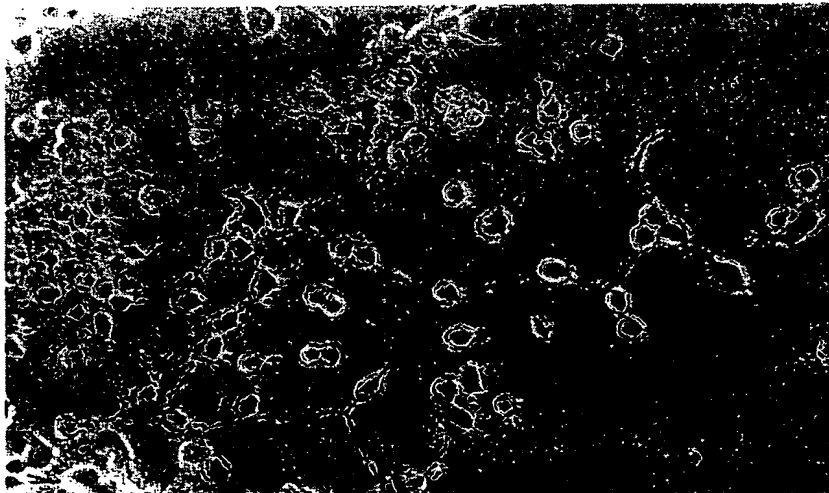


Fig. 2B

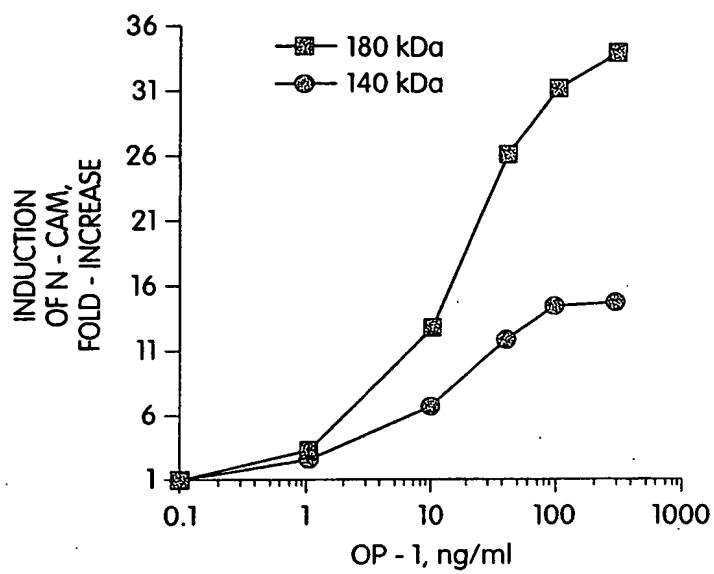


Fig. 3A

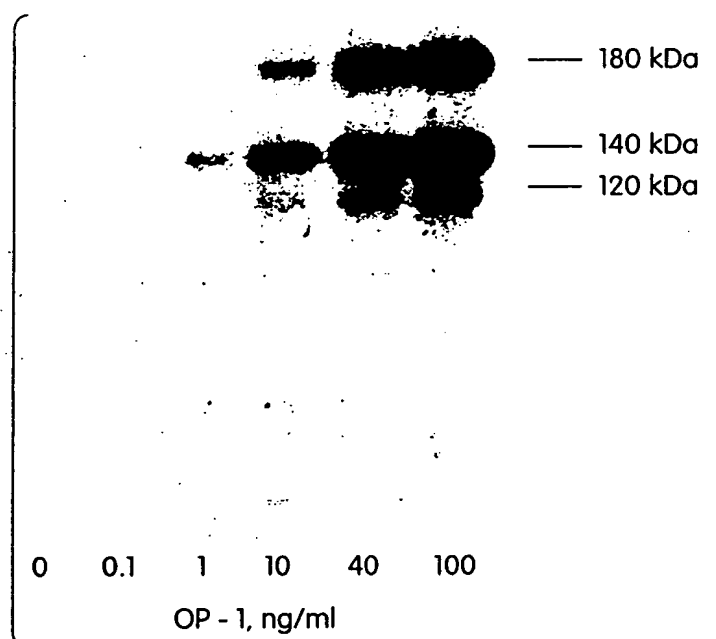


Fig. 3B

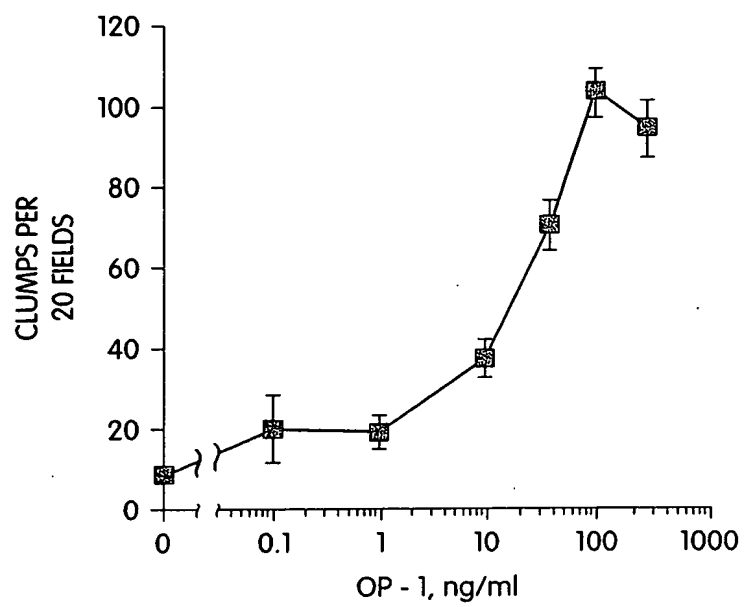


Fig. 4

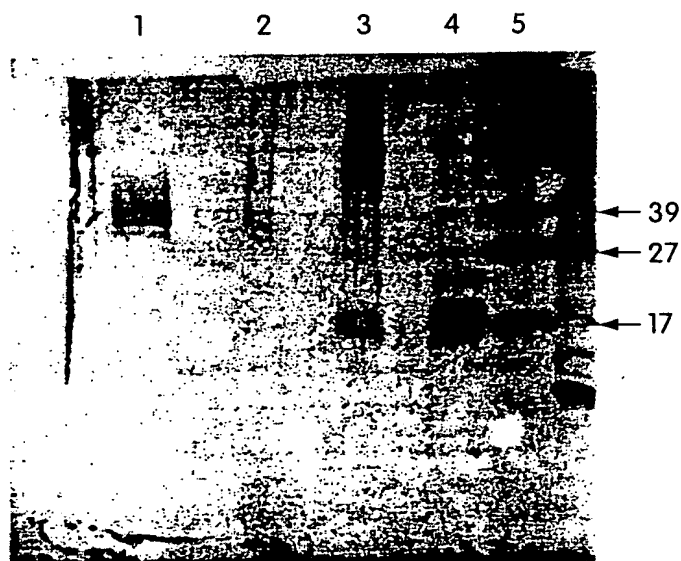


Fig. 5

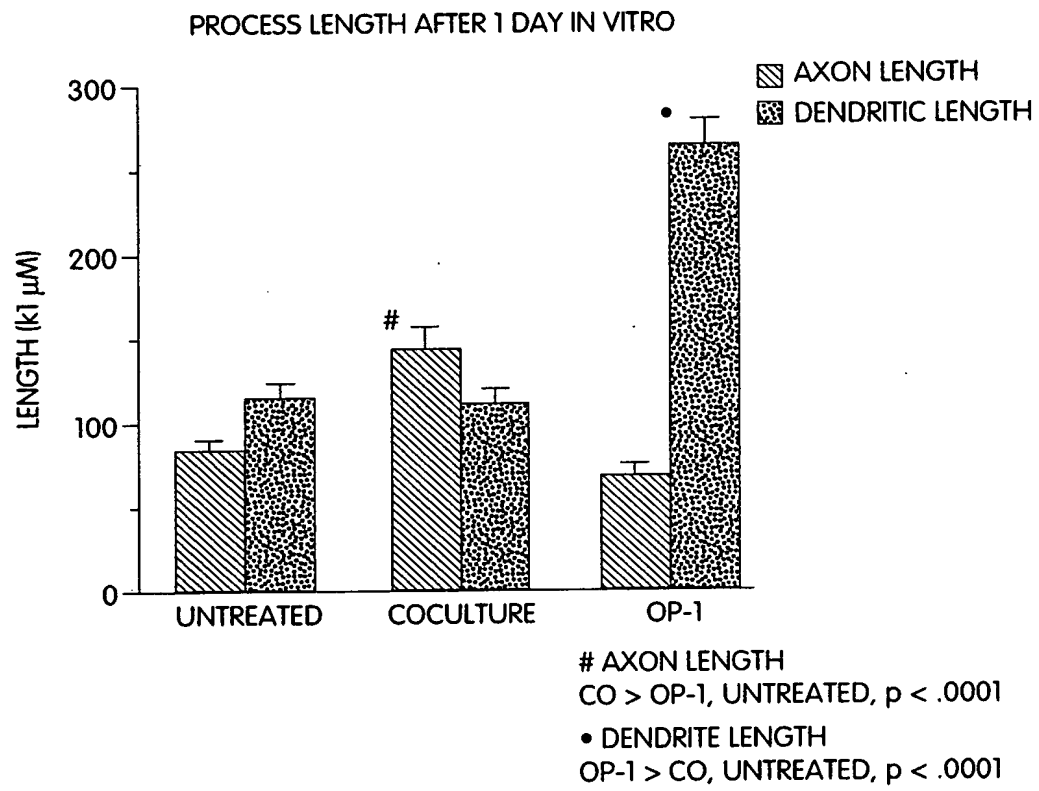


Fig. 6

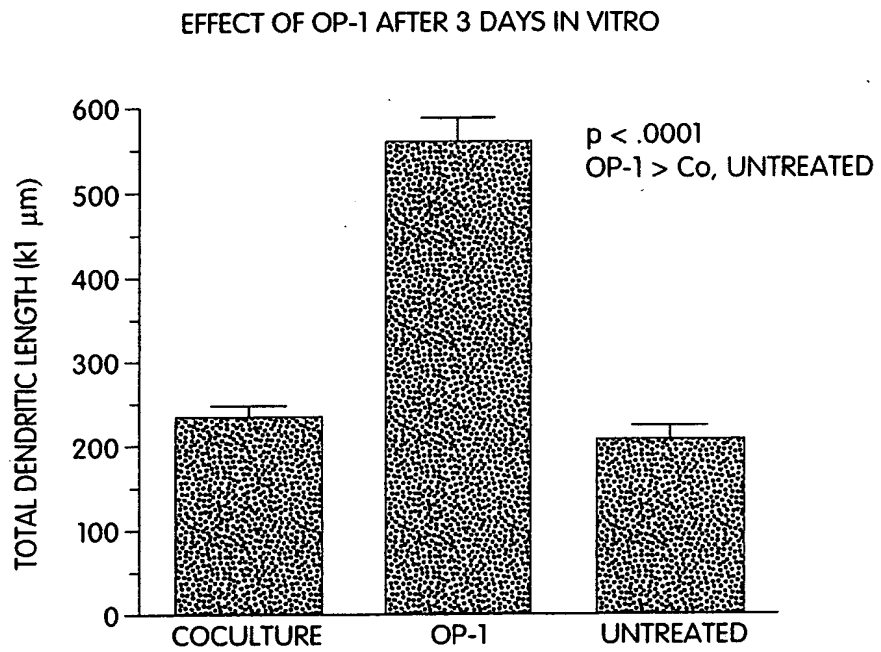


Fig. 7

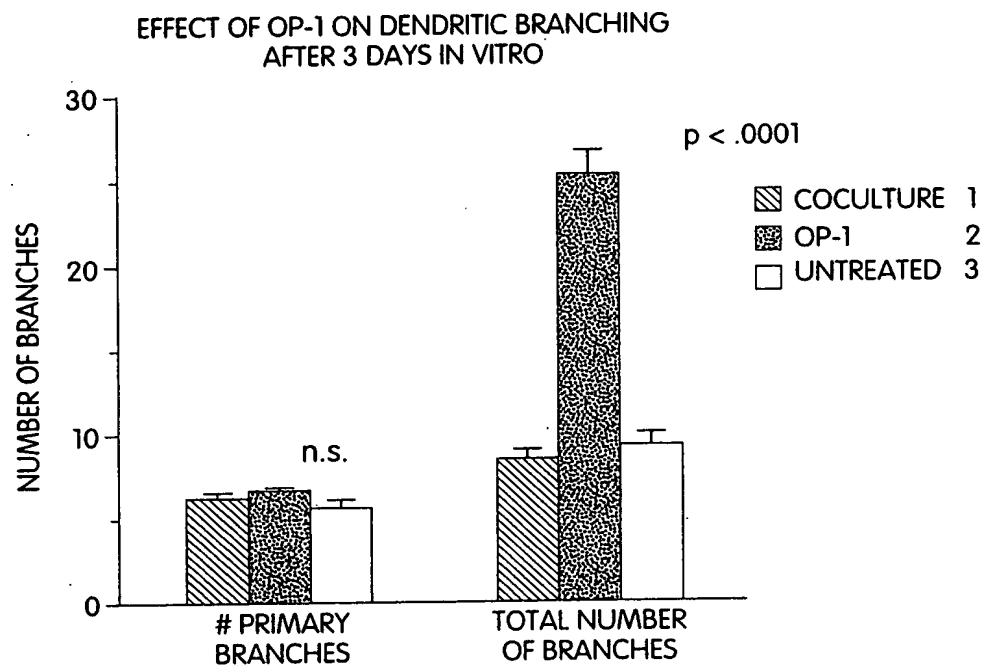


Fig. 8

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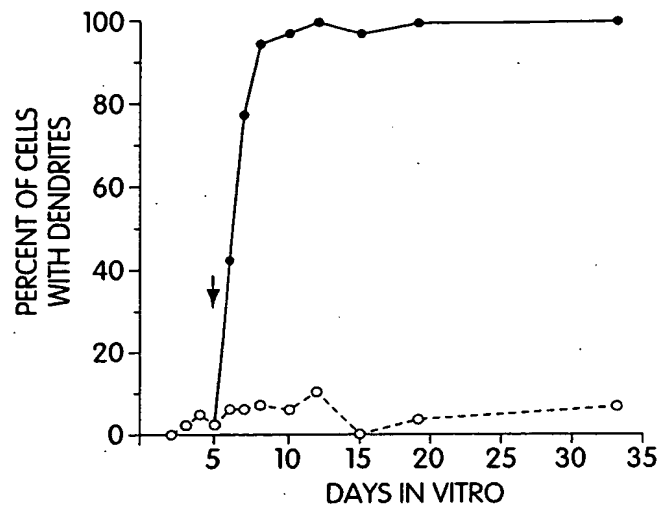


Fig. 9A

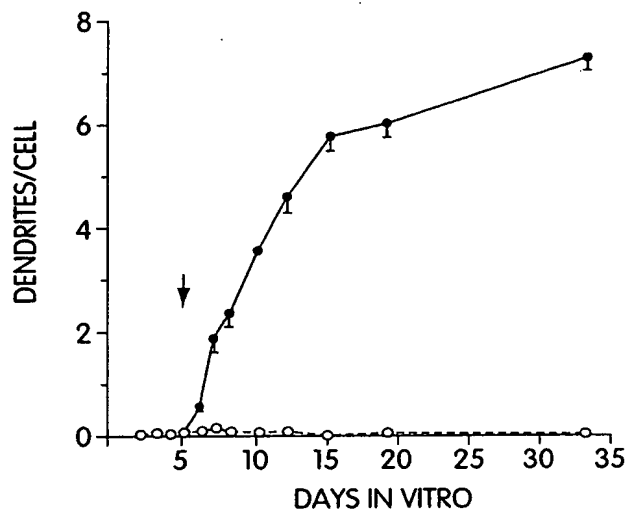


Fig. 9B

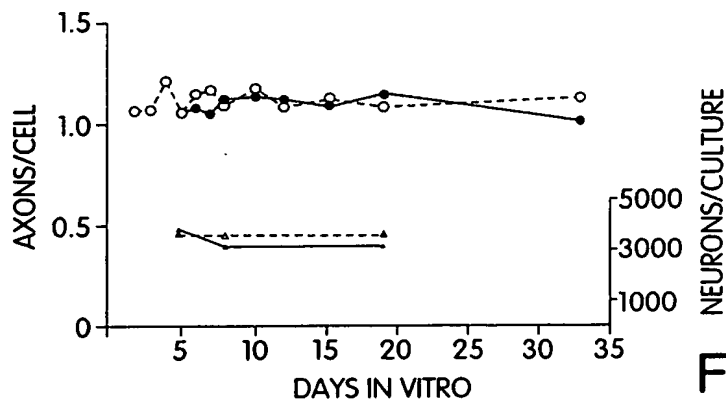


Fig. 9C

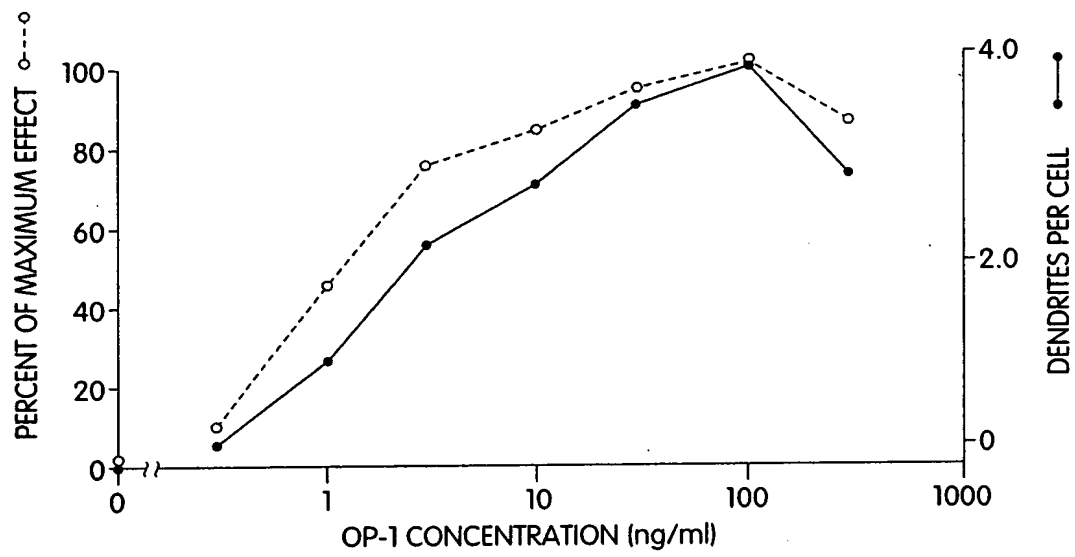


Fig. 10

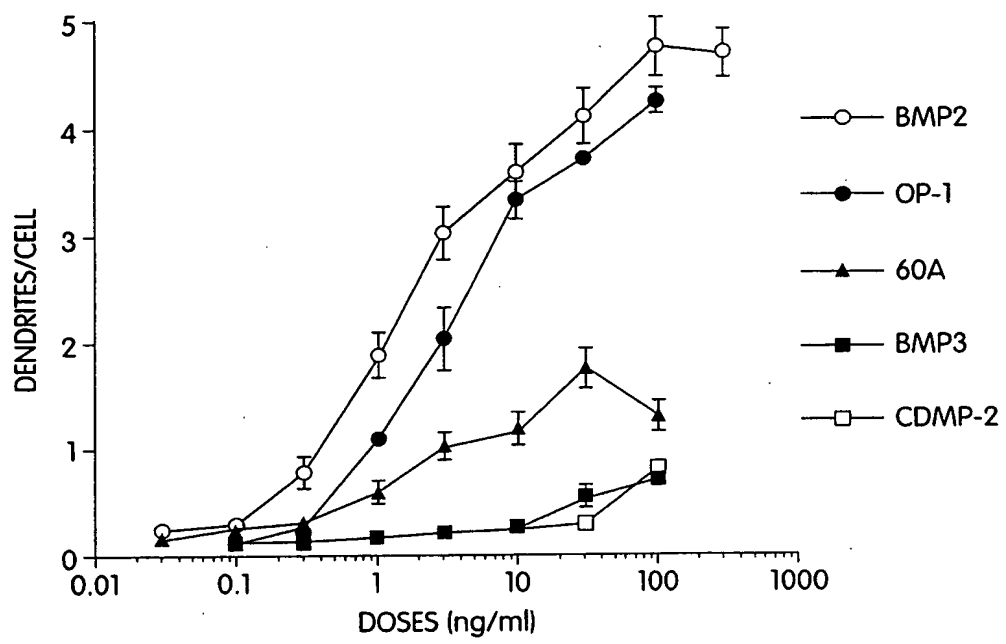


Fig. 11

SYNAPSE FORMATION IN HETEROCHRONIC CULTURES

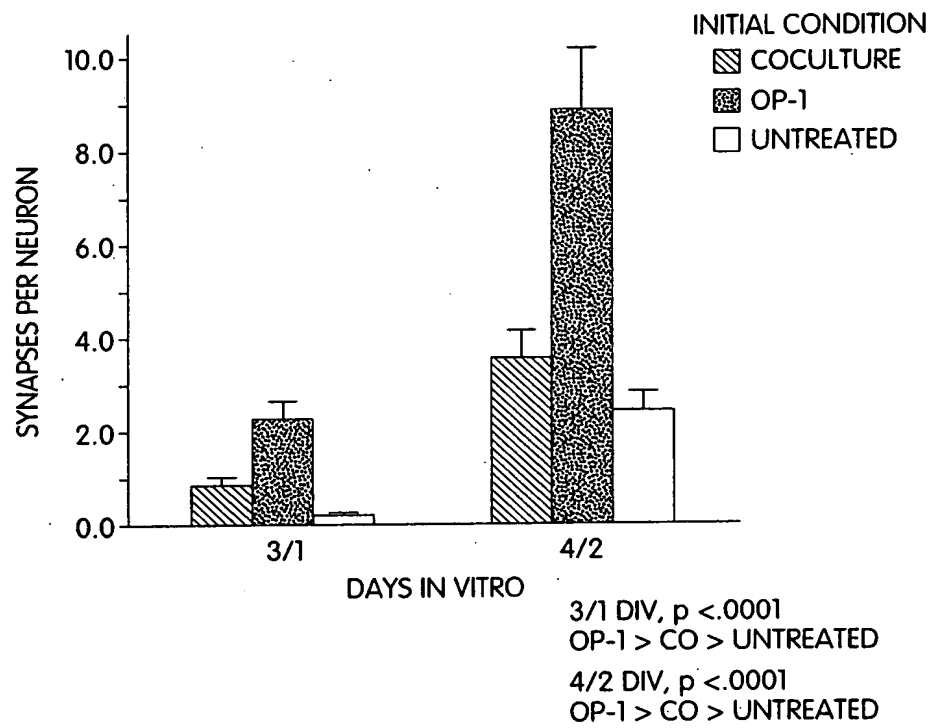


Fig. 12

OP-1 ENHANCES IN VIVO SURVIVAL OF
SPINAL CORD MOTOR NEURONS

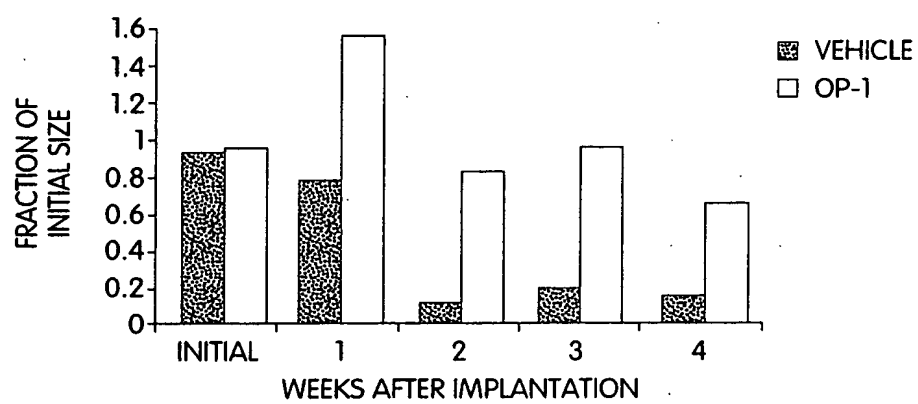
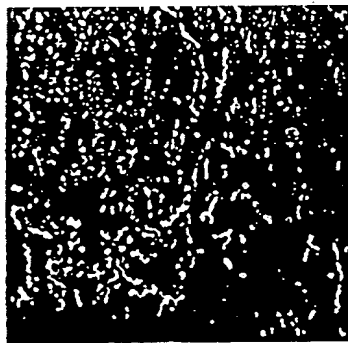
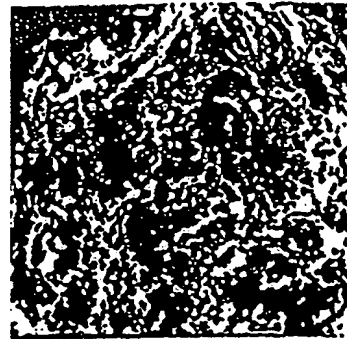


Fig. 13



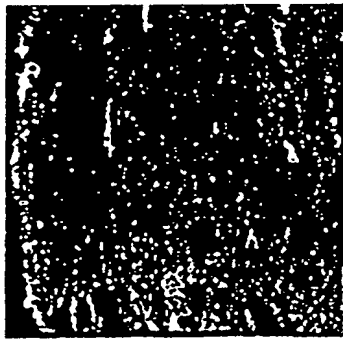
VEHICLE



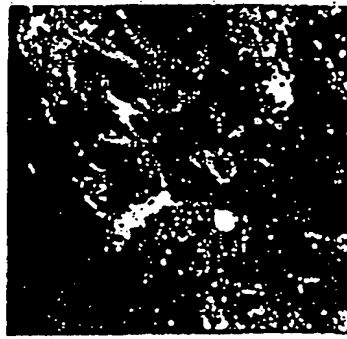
OP-1

Fig. 14

BEST AVAILABLE COPY



VEHICLE



OP-1

Fig. 15

BEST AVAILABLE COPY

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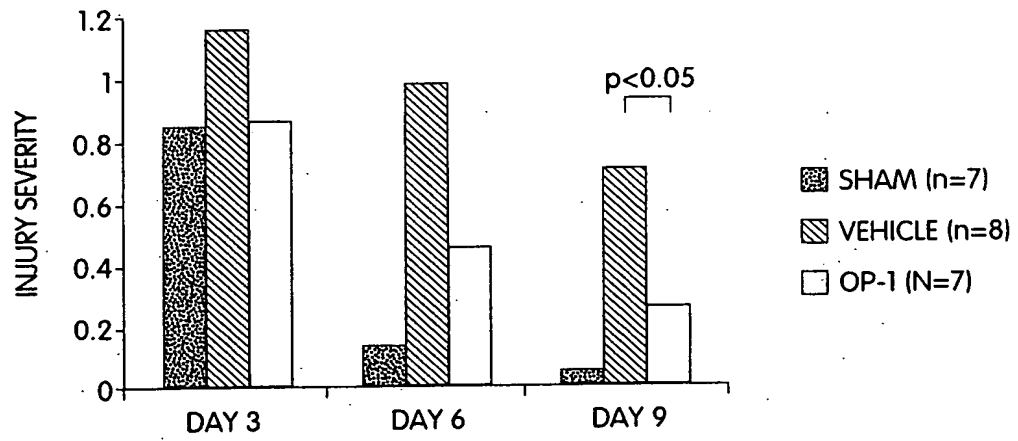


Fig. 16

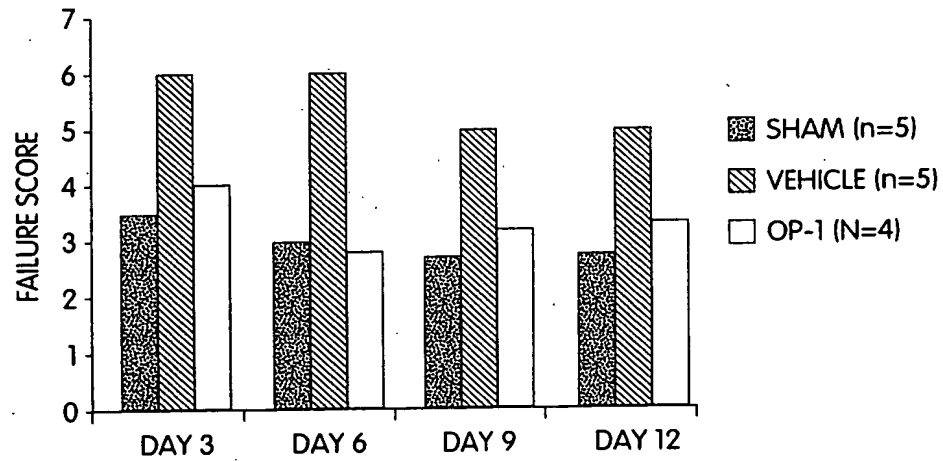
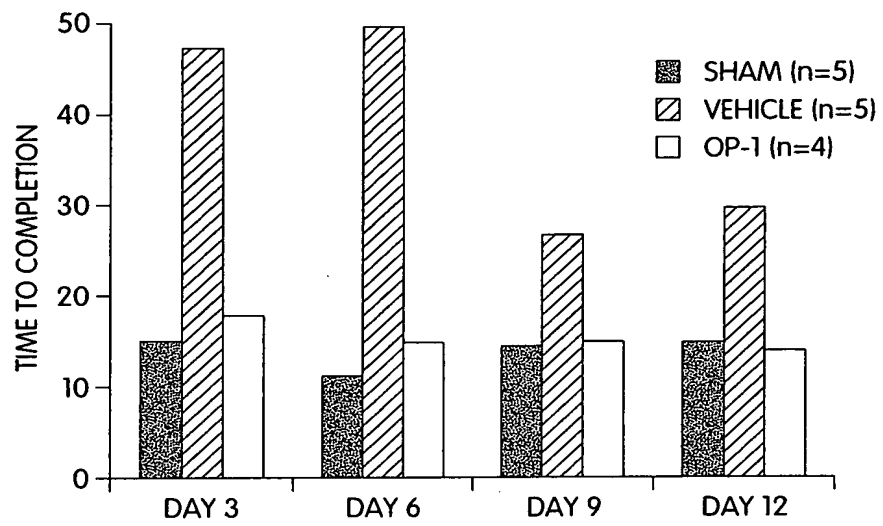


Fig. 17

**Fig. 18**